

Abstract

Under control of an input signal, a signal line is driven toward a first voltage by coupling a first current path to the signal line. While the first current path is coupled to the signal line, 1) a charge boost is provided to the signal line to increase the rate at which a voltage on the signal line switches toward the first voltage, and 2) current flow through the signal line is clamped to prevent a voltage on the signal line from reaching the first voltage. The current flow may be clamped by means of a resistor in the first current path, and the charge boost may be provided by a capacitor that is coupled in parallel with the resistor.